

FIG. 1

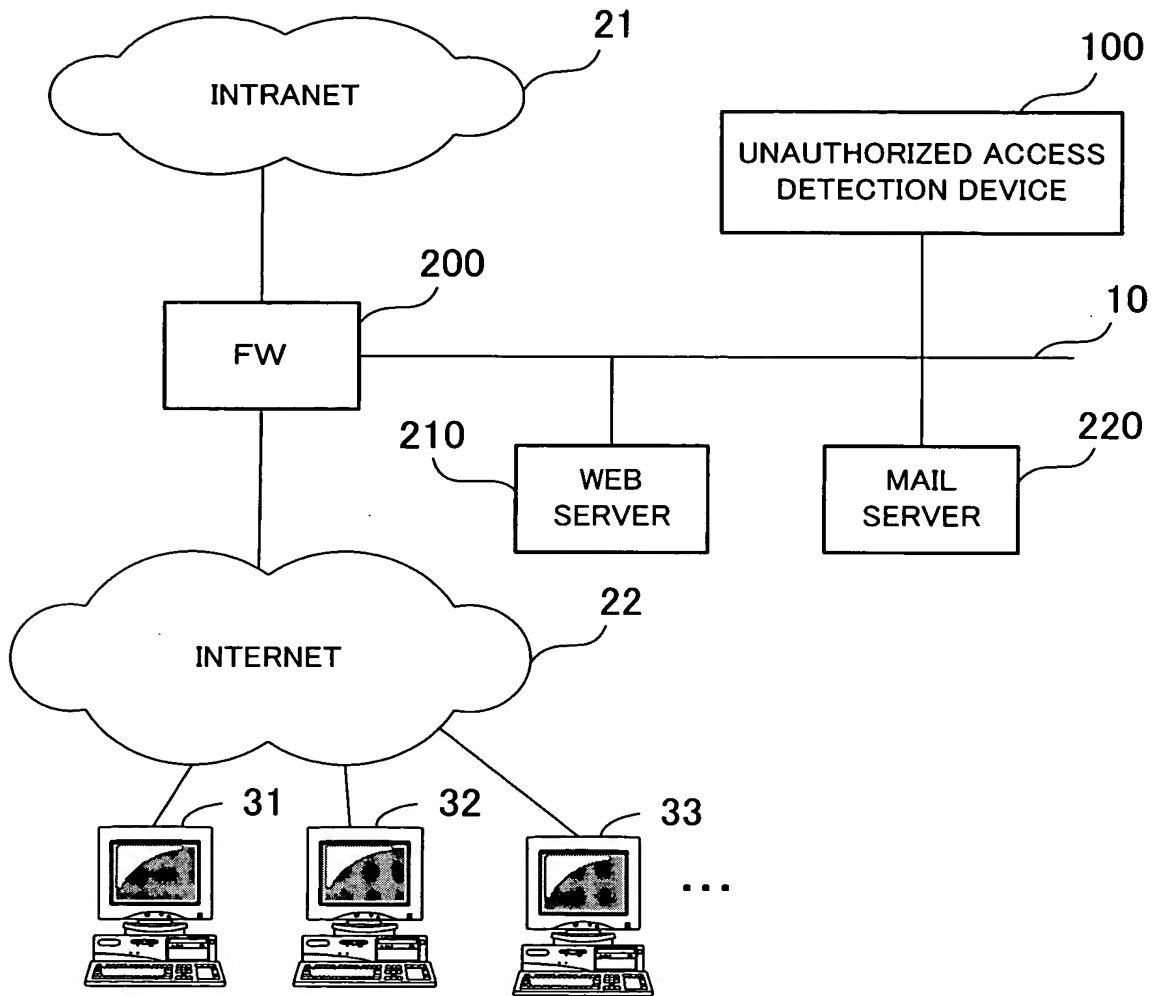


FIG. 2

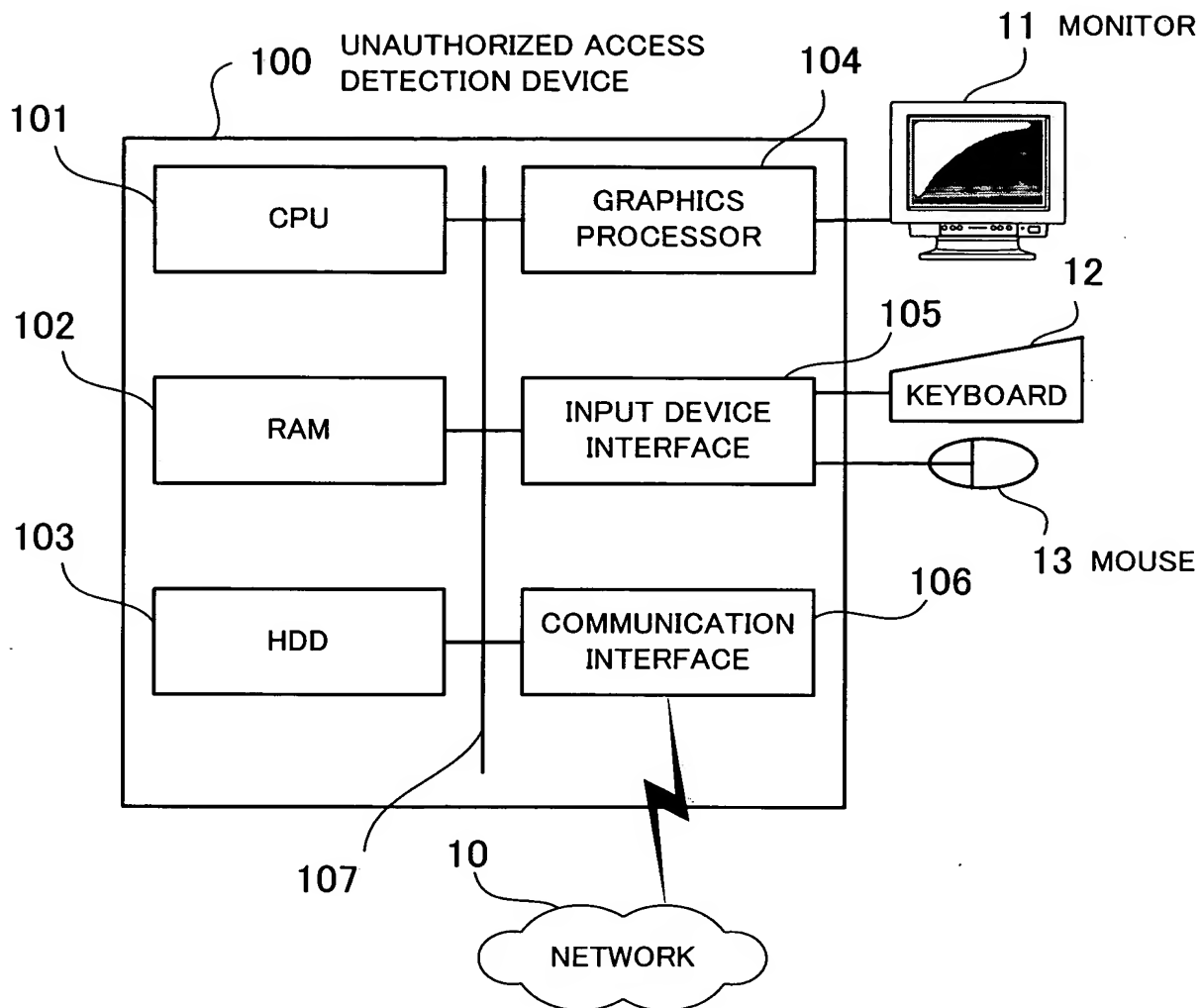


FIG. 3

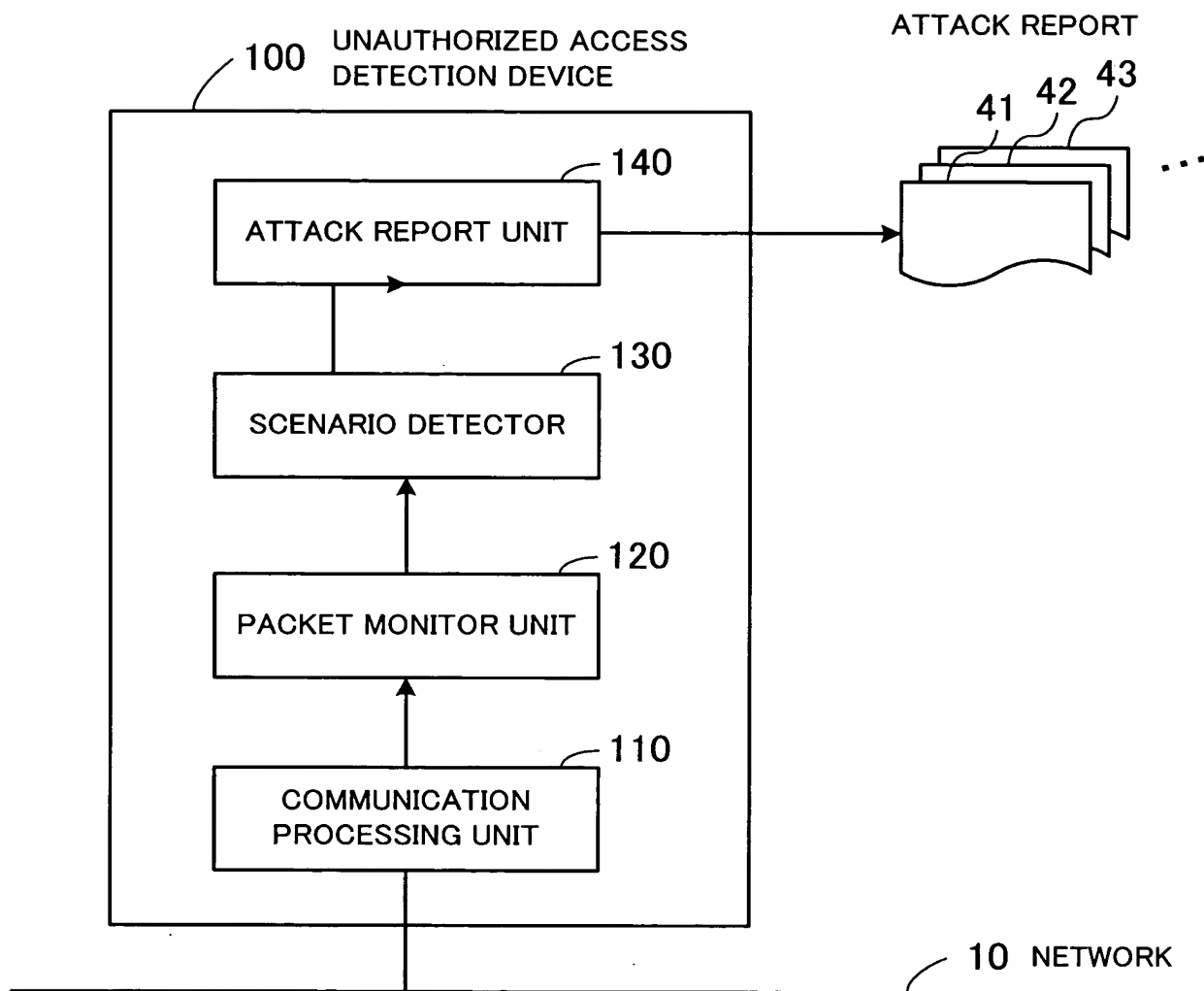


FIG. 4

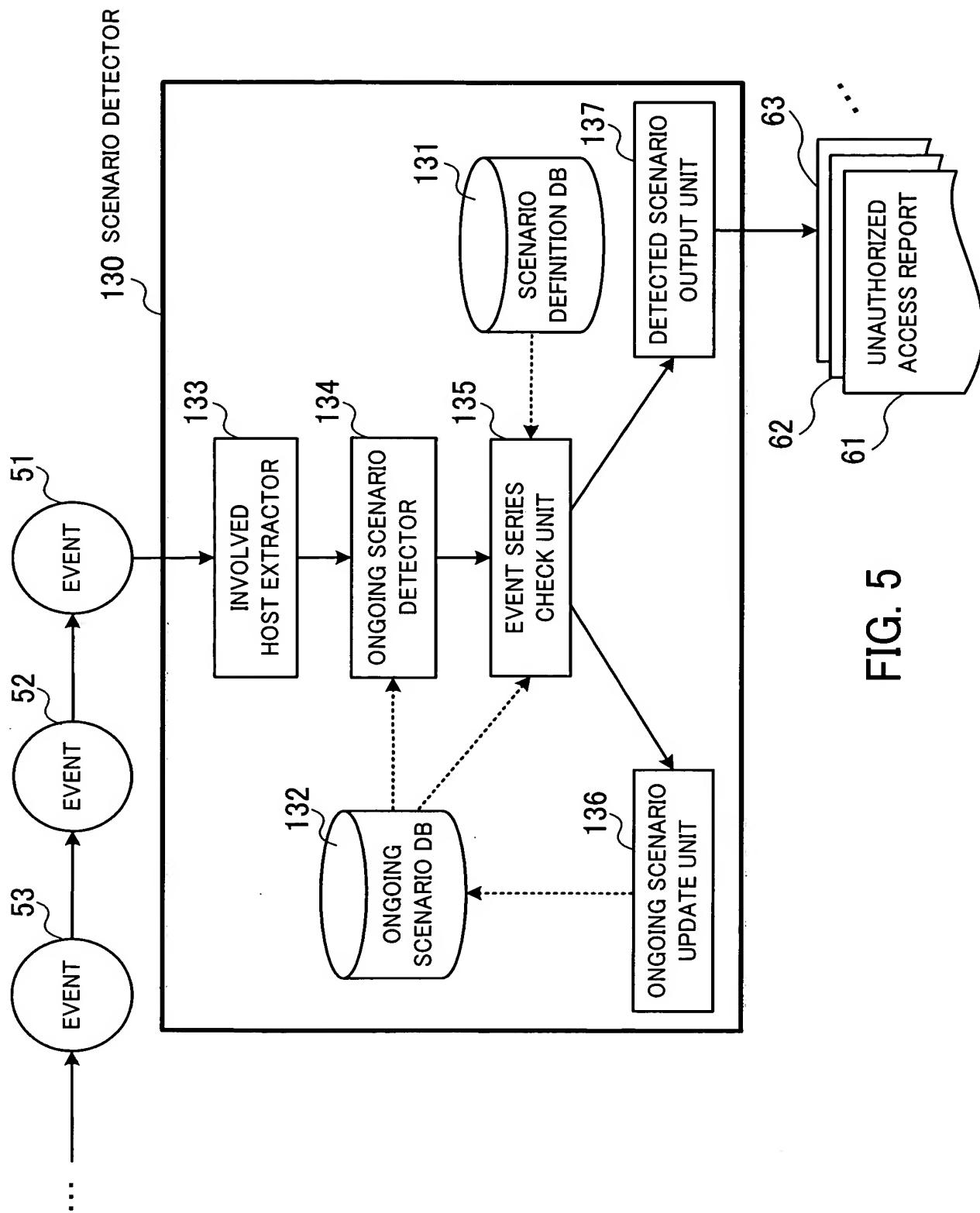


FIG. 5

131 SCENARIO DEFINITION DB

THE NAMES OF UNAUTHORIZED ACCESS SCENARIOS	EVENT TRANSITIONS
UNAUTHORIZED ACCESS SCENARIO A	<pre> graph LR     a((EVENT a)) --&gt; b((EVENT b))     b --&gt; c((EVENT c))           </pre>
UNAUTHORIZED ACCESS SCENARIO B	<pre> graph LR     a((EVENT a)) --&gt; d((EVENT d))     d --&gt; e((EVENT e))     e --&gt; c((EVENT c))           </pre>
. . . .	. . . .

FIG. 6

132 ONGOING SCENARIO DB

PAIRS OF SOURCE IP ADDRESS AND DESTINATION IP ADDRESS	NAME OF UNAUTHORIZED ACCESS SCENARIO	DEGREE OF PROGRESS
192.168.1.5→10.10.100.100	UNAUTHORIZED ACCESS SCENARIO B	SECOND STAGE
10.1.1.123→192.168.30.30	UNAUTHORIZED ACCESS SCENARIO D	THIRD STAGE
.	.	.
.	.	.
.	.	.

FIG. 7

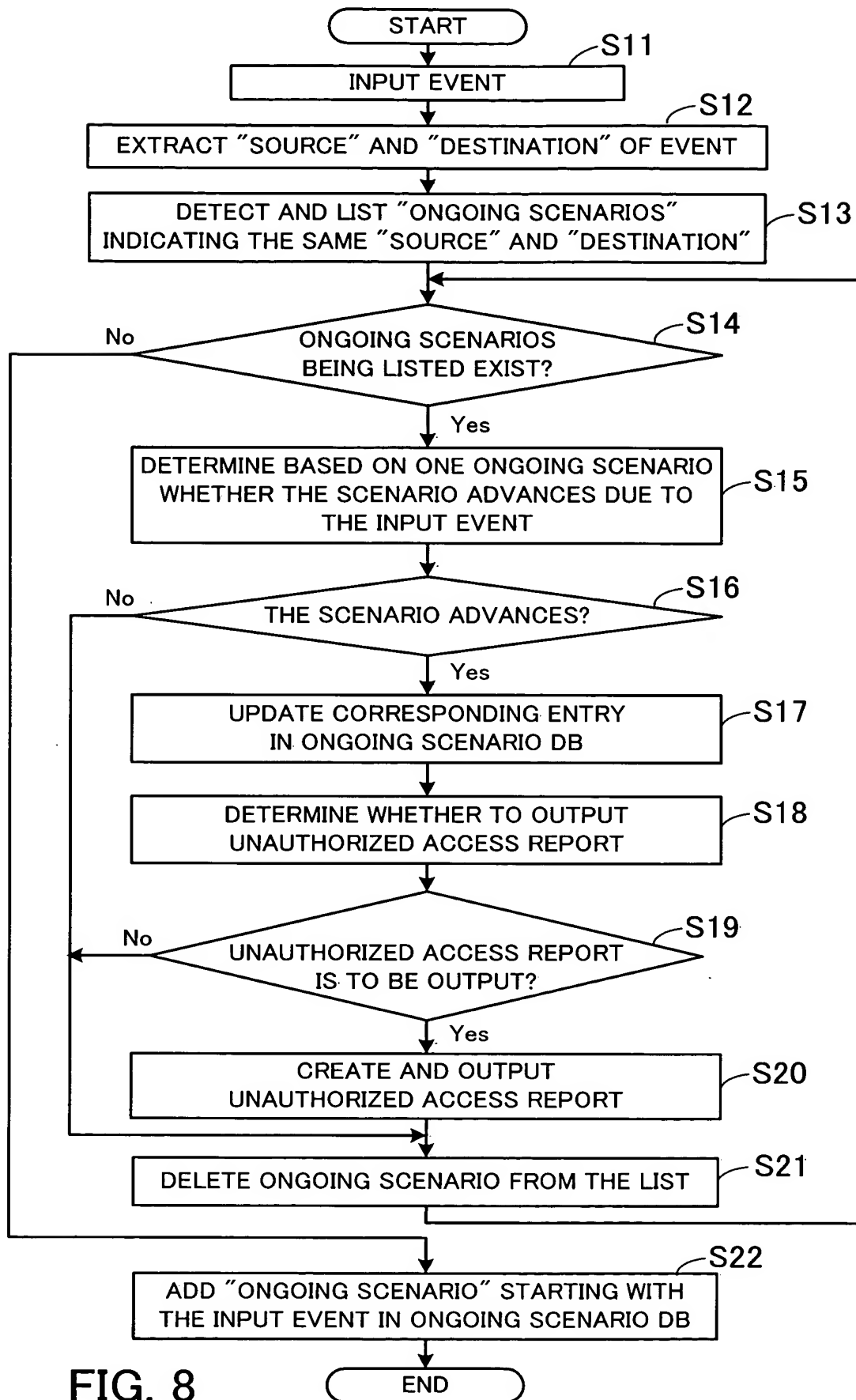


FIG. 8



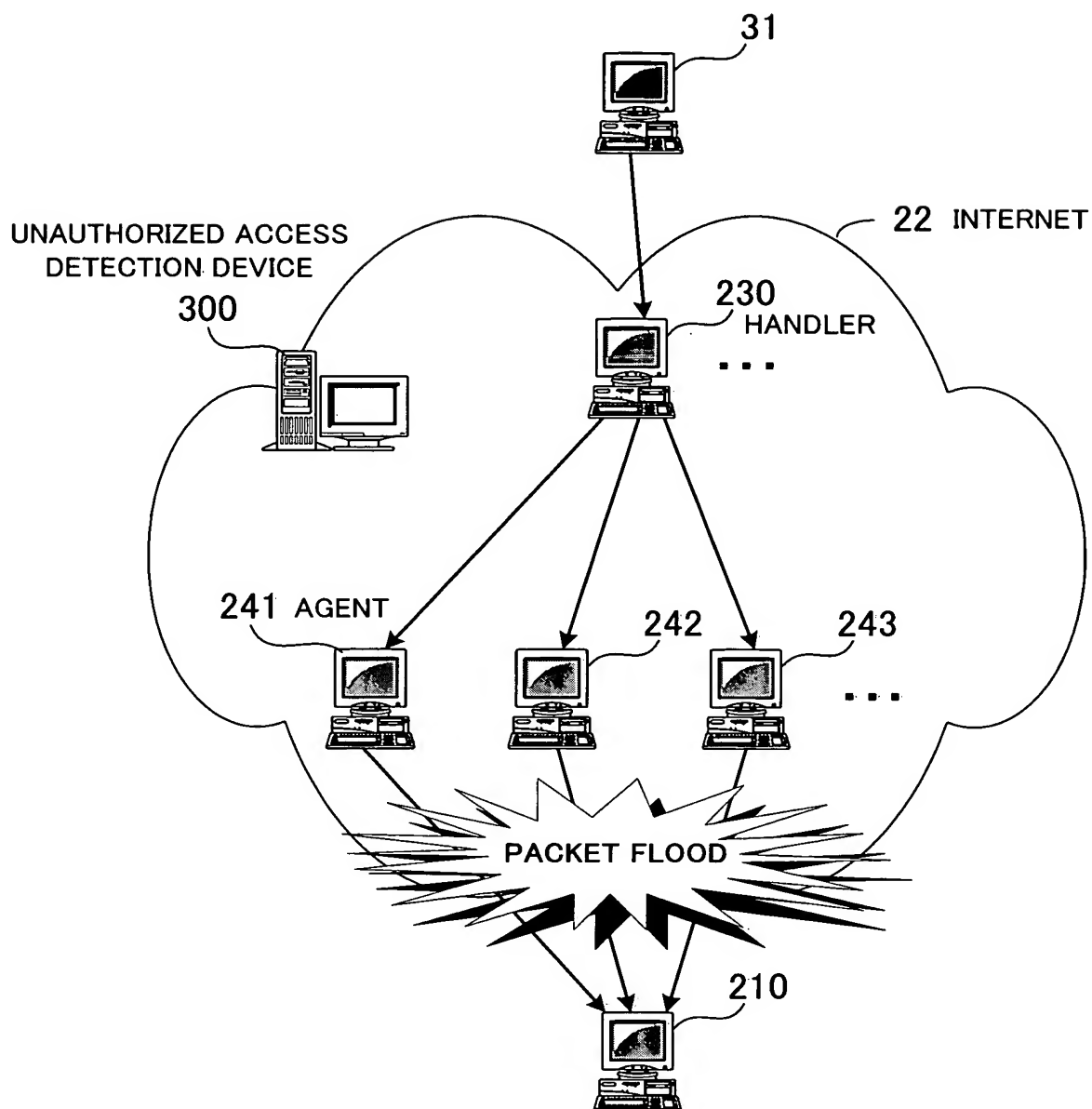


FIG. 9

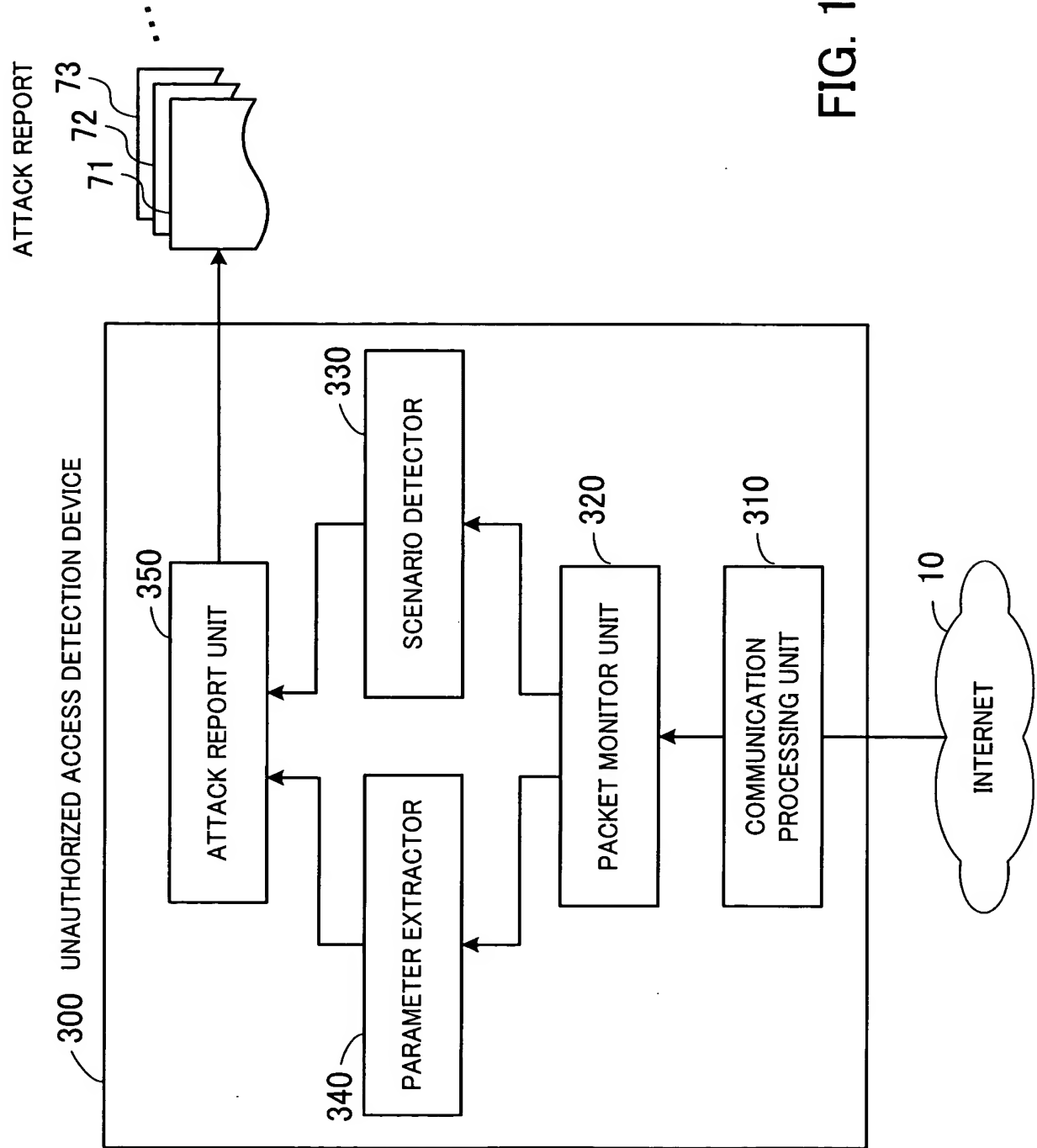


FIG. 10

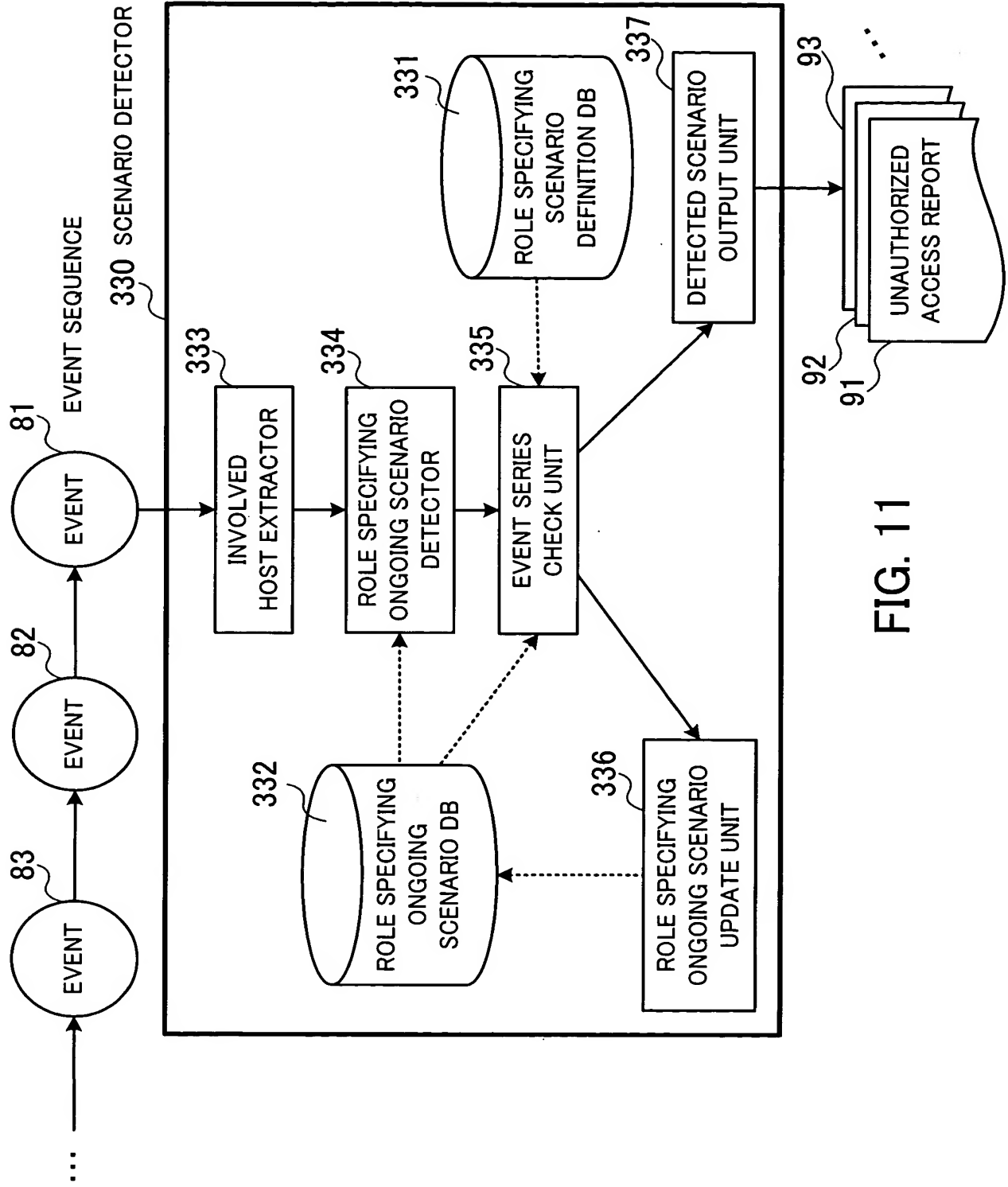


FIG. 11

331 ROLE SPECIFYING SCENARIO DEFINITION DB

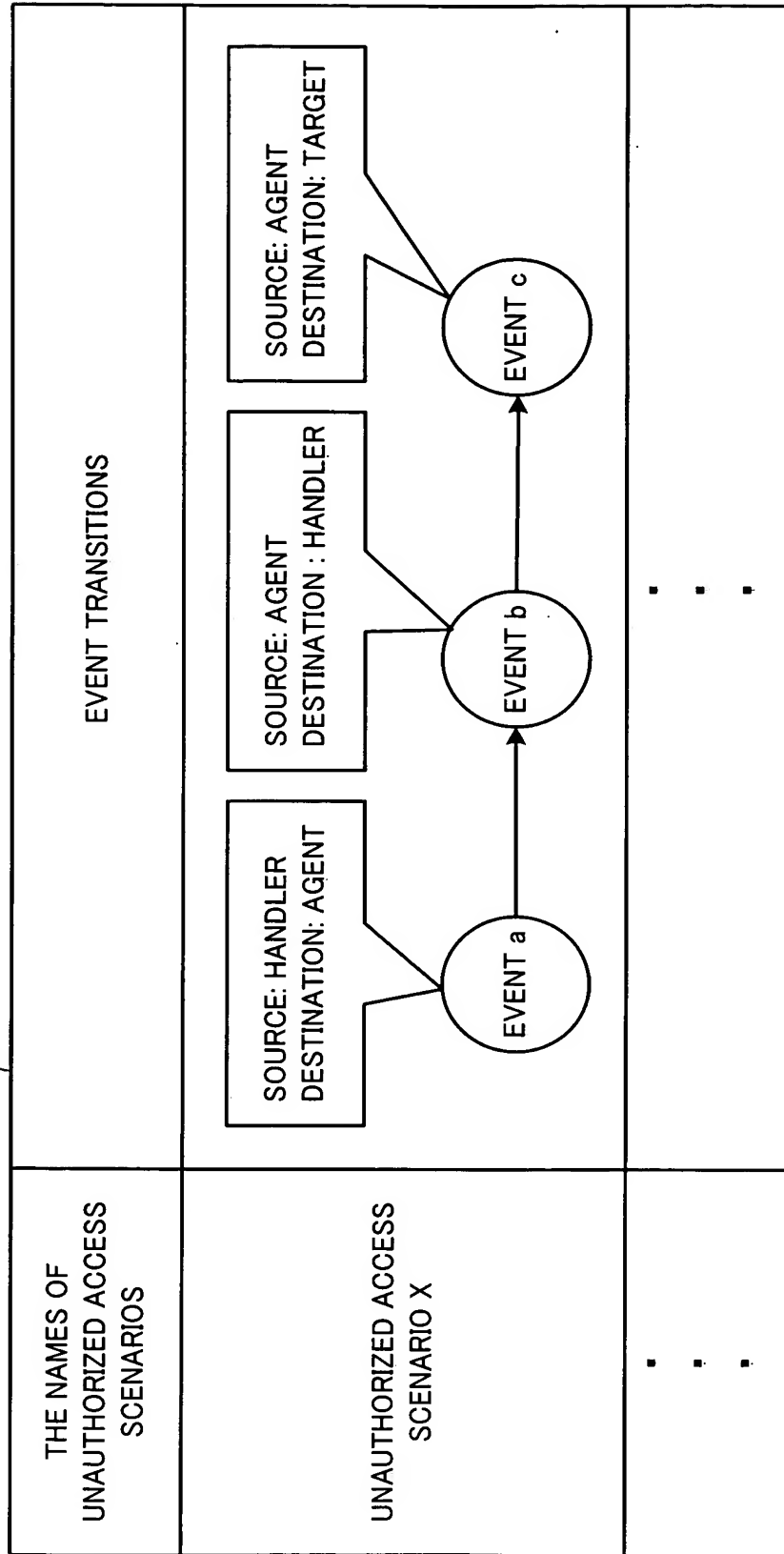


FIG. 12

332 ROLE SPECIFYING ONGOING SCENARIO DB

ROLE-SPECIFIED IP ADDRESSES		NAME OF UNAUTHORIZED ACCESS SCENARIO	DEGREE OF PROGRESS
192.168.1.5	AGENT	UNAUTHORIZED ACCESS SCENARIO B	SECOND STAGE
	HANDLER		
10.1.1.123	ATTACKER	UNAUTHORIZED ACCESS SCENARIO D	THIRD STAGE
	TARGET		
192.168.30.30			
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.

FIG. 13

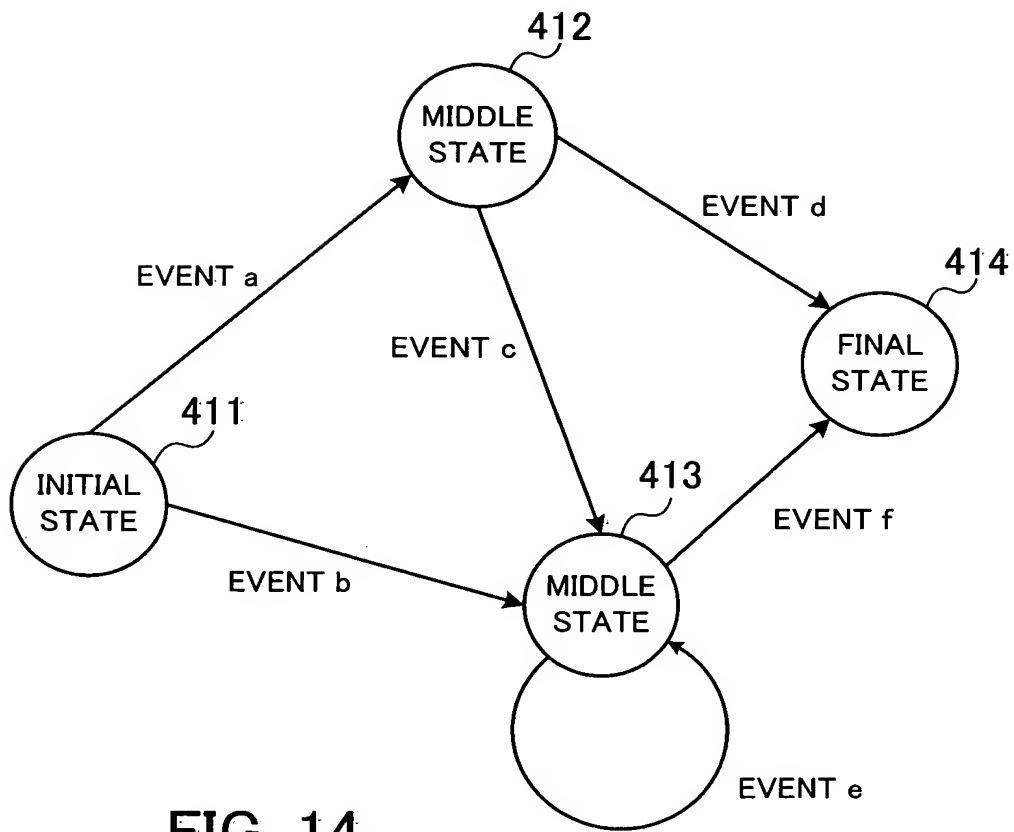


FIG. 14

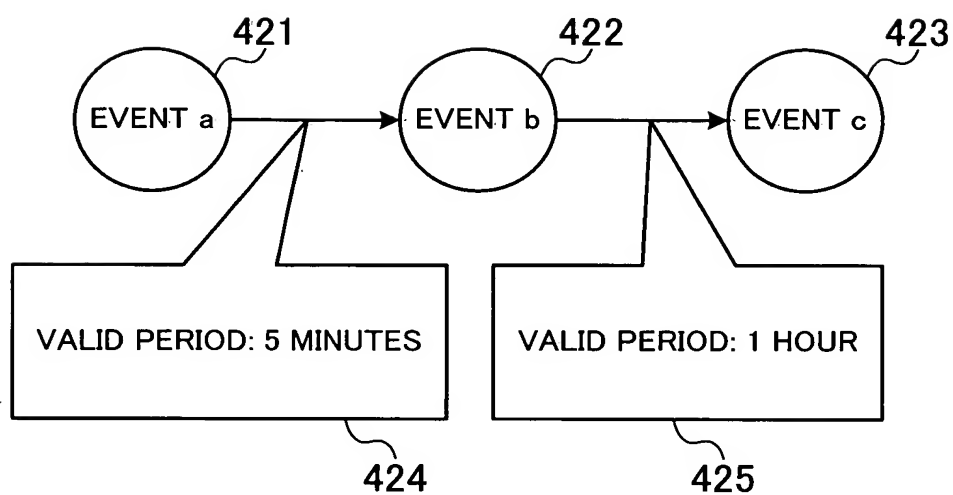
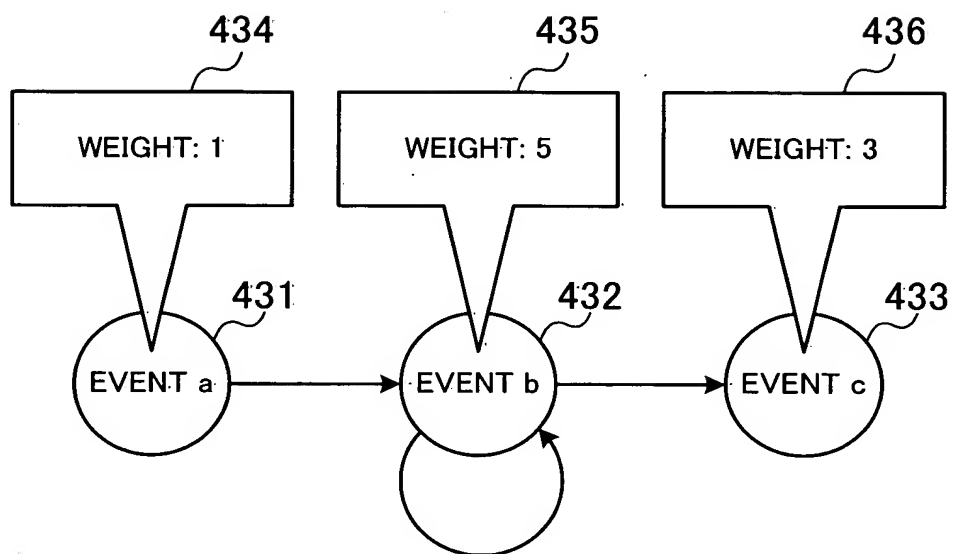


FIG. 15



REPORT OUTPUT THRESHOLD VALUE: 8

FIG. 16



132a ONGOING SCENARIO DB

PAIRS OF SOURCE IP ADDRESS AND DESTINATION IP ADDRESS	NAME OF UNAUTHORIZED ACCESS SCENARIO	TOTAL WEIGHT
192.168.1.5→10.10.100.100	UNAUTHORIZED ACCESS SCENARIO B	6
10.1.1.123→192.168.30.30	UNAUTHORIZED ACCESS SCENARIO D	1
.	.	.
.	.	.
.	.	.

FIG. 17

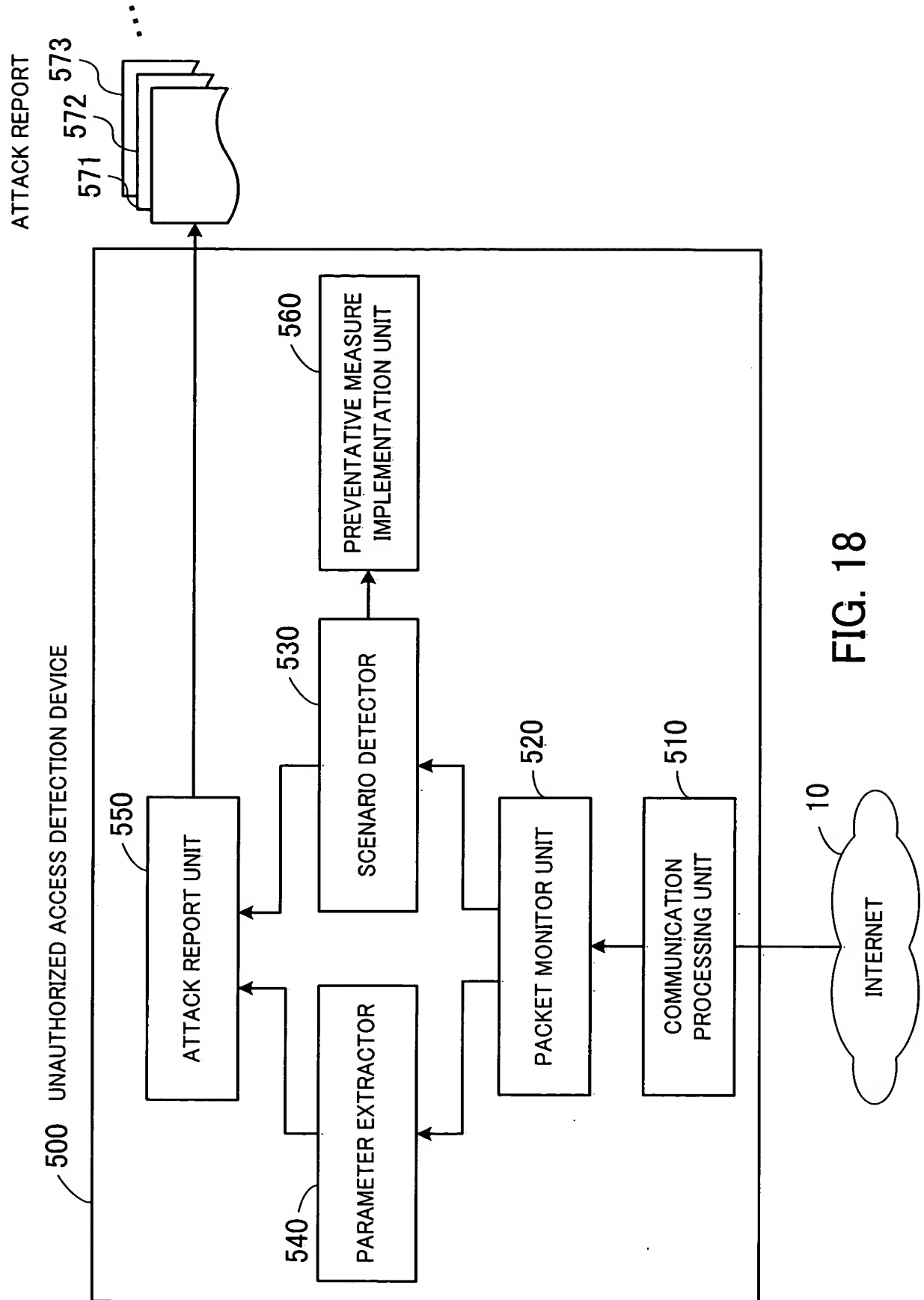


FIG. 18

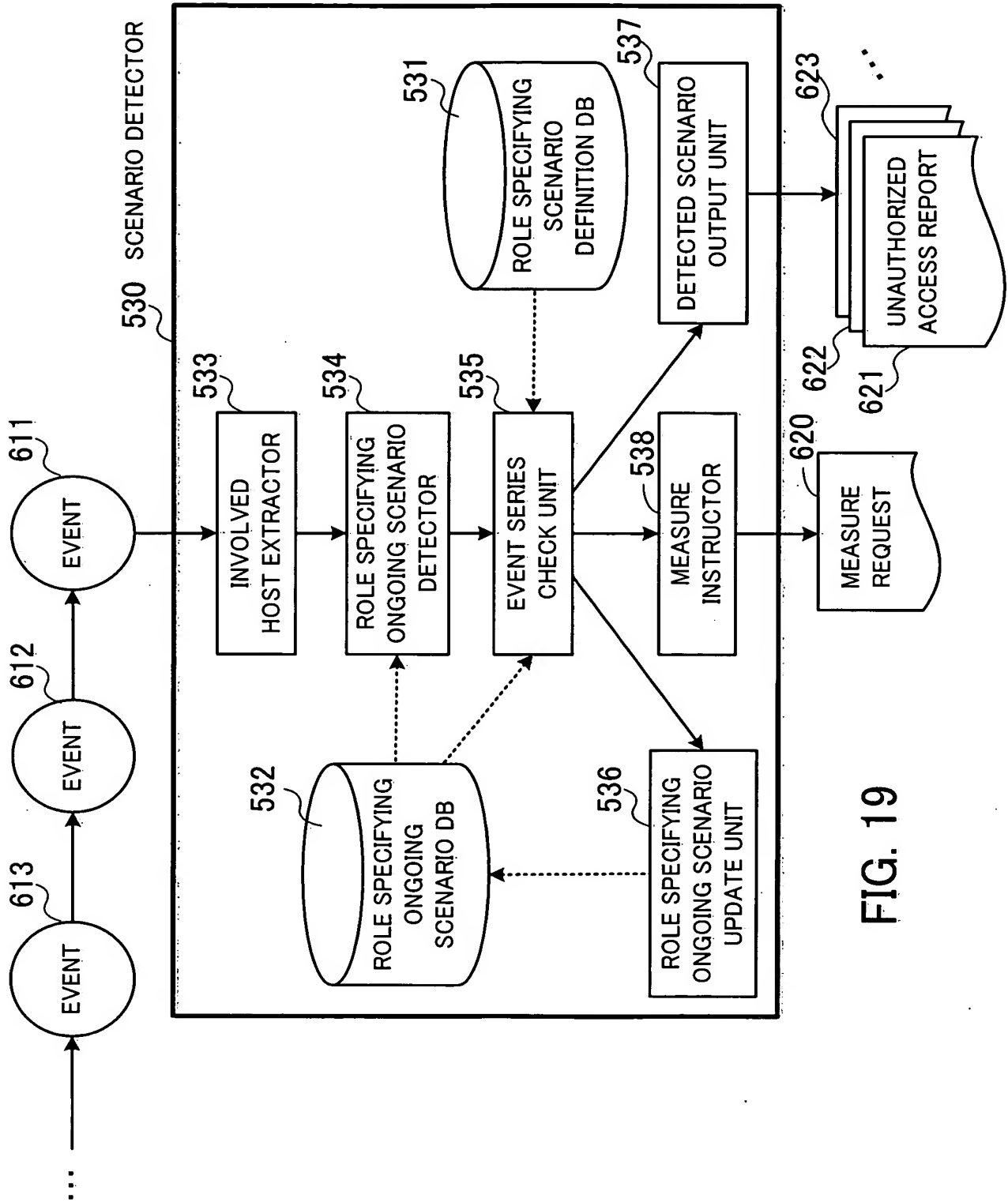


FIG. 19

COMMANDS TO HANDLER	COMMANDS TO AGENT	DESCRIPTION
msize	rsz	SET THE SIZE (BYTE) OF A UDP PACKET TO BE USED FOR FUTURE FLOOD WITH A PARAMETER
mtimer	bbb	SET THE LENGTH (SECONDS) OF FUTURE FLOOD WITH A PARAMETER
mping	png	CONFIRM WHETHER EACH AGENT IS ALIVE OR NOT
d1e	d1e	STOP ALL AGENTS
dos	aaa	SEND UDP FLOOD TO IP ADDRESS SPECIFIED BY PARAMETER
mdos	xyz	SEND UDP FLOOD TO IP ADDRESS SPECIFIED BY PARAMETER. A PLURALITY OF IP ADDRESS CAN BE SPECIFIED

FIG. 20

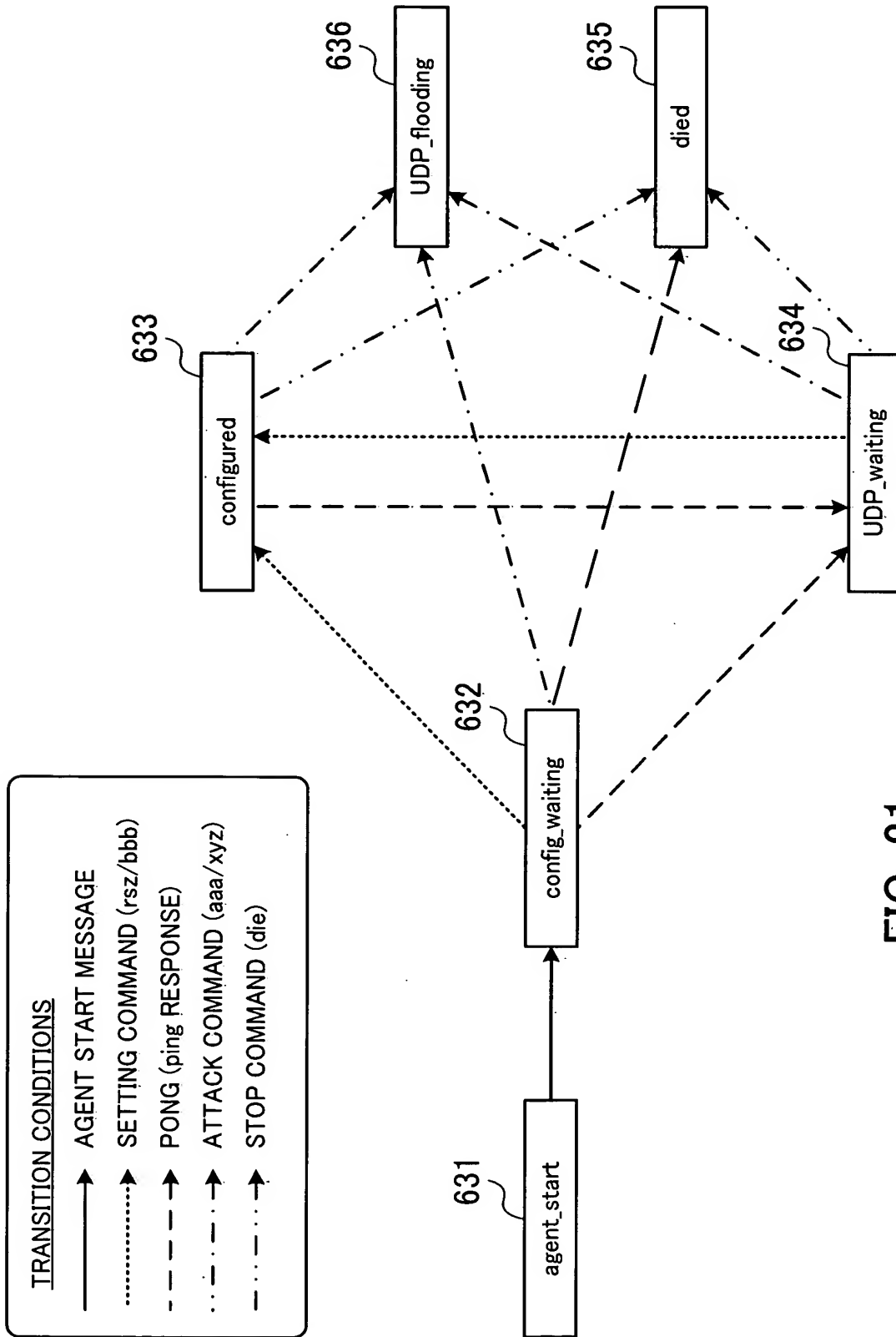


FIG. 21

640 PREDICATED IMPACT/MEASURE DEFINITION TABLE

TIME TO IMPACT	POSSIBILITY OF IMPACT	SCALE OF IMPACT	PREVENTATIVE MEASURES
WITHIN 5 MINUTES	70%	LARGE	INTERRUPT COMMUNICATION FOR ONE HOUR (BECAUSE OF VERY URGENT AND LARGE IMPACT)
WITHIN 1 HOUR	10%	LARGE	
WITHIN ONE DAY	10%	MEDIUM	

FIG. 22

650 PREDICATED IMPACT / MEASURE DEFINITION TABLE

TIME TO IMPACT	POSSIBILITY OF IMPACT	SCALE OF IMPACT	PREVENTATIVE MEASURES
WITHIN 1 HOUR	10%	MEDIUM	NOTIFY THE ADMINISTRATOR OF A HOST (ADMINISTRATOR HOST) THAT PROBABLY LAUNCHES AN ATTACK, MONITOR COMMUNICATION FOR NEXT 3 DAYS, AND INTERRUPT, IF NECESSARY, THE COMMUNICATION (BECAUSE IMPACT DOES NOT OCCUR SOON)
WITHIN 1 DAY	40%	LARGE	
WITHIN 3 DAYS	30%	LARGE	

FIG. 23